- PAIDC

QUERY CONTROL FORM			RTIS US	SE ONLY
Application No. 10 089, 631	Prepared by	NH	Tracking Number	05906397
Examiner-GAU Hirshfeld - 2854	Date	3-16-4	Week Date	02/16/04
	No. of queries		IFW	

	J	ACKET		
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	PTO-1449	
b. Applicant(s)	g. Disclaimer	I. Print Fig.	q. PTOL-85b	
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract	
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs	
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other	

SPECIFICATION	MESSAGE
a. Page Missing	PTO-1449: Please either initial or line
b. Text Continuity	Through citations. Copy provided for reference
c. Holes through Data	3. 603 0
d. Other Missing Text	
e. Illegible Text	
f. Duplicate Text	
g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
k. Other	
CLAIMS	
a. Claim(s) Missing	
b. Improper Dependency	thankson
c. Duplicate Numbers	
d. Incorrect Numbering	initials NH
e. Index Disagrees	RESPONSE
f. Punctuation	
g. Amendments	
h. Bracketing	
i. Missing Text	
j. Duplicate Text	
k. Other	
	initials

.5	_			A				
	INE	OPMATION DISC	LOCURE OFFICE	ATTY DOCKET NO. UDY		SERIAL NO.	0/089,63	1
	ШТ	(Use several shee	LOSURE CITATION ets if necessary)	Aron SHMAISER,	et al.			
			-36	FILING August 5, 2	002	GROUP	2854	
			U	S. PATENT DOCUMENTS				
'EXAMINER INITIAL		DOCUMENT NUM	ABER DATE	NAME	CLASS	SUBCLASS	FILING	
	1 -	3,734,015	22 May '73	CAMIS, T. et al.			IF APPE	OPRIATE
	2	3,741,643	26 Jun '73	VERMEULEN, M. et al.	PAID			
	3	3,777,158	4 Dec '73		/FP	<u> </u>	 	
	4	4,165,689	28 Aug '79	GIUIUZZA, P.	TO MARK OF	. 5	-	
	5	4,186,662	5 Feb '80	BORNEMAN, L. A.	MARKO		-	
	6	4,202,268	13 May '80	BECKER, W.				
	7	4,204,472	27 May '80	BORNEMAN, L. A.				
,	8	4,375,326	1 Mar '83	LANG, J. H.				
-	9	4,378,734	5 Apr '83	WIRZ, A.	1			
	10	4,428,667	31 Jan '84	PHELPS, R. L. et al.				
	11	4,431,303	14 Feb '84	HOFFMAN, D. S.			<u>.</u>	
				GN PATENT DOCUMENTS				
	Т	DOCUMENT NUMBE		COUNTRY	T		TRANS	SLATION
1	2	DE 196 35 388		GERMANY	CLASS	SUBCLASS	YES	NO
	-+	EP 0 274 989						<u> </u>
	4	EP 0 312 660		EUROPE				
	-			EUROPE				
11	-	EP 0 342 704		EUROPE	-			
10	<u>'</u>	EP 0 570 786		EUROPE			1	•
<u>.</u>	_	OTHER DO	OCUMENTS (Including	Author, Title, Date, Pertinent F	Pages, Etc.)			
	17	CANON INC.; J	P 53-010441 A; 30 Januar	ry 1978 & Patent Abstracts of Japan	ı; Vol. 002; No	. 045 (E-024);	27 March	1978
	18	FUJI PHOTO FI	ILM CO. LTD.; JP 63-094	1287 A; 25 April 1988 & Patent Abs	tracts of Japan	; Vol. 012; No	o. 331 (P-7	/55);
MINER	т.	1.		DATE CONSIDERED				
44444		·-		conformance with MPEP 609; Draw lin				

Form PTO-A820 (also form PTO-1449)

considered. Include copy of this form with next communication to applicant.

P09C/REV03

Patent and Tredemark Office * U.S. DEPARTMENT OF

PAGE 1 OF 5

INFORMATION COST		ATTY DOCKET NO. UDY	-	SERIAL NO.	0/080 /21			
INFORMATION DISCLOSU (Use several sheets if ned	RE CITATION <i>possary)</i>	Aron SHMAISER, et	ol.	1	0/089,631			
		FILING	ат.	GROUP				
	U.S. PAT			August 5, 2002 2854				
EXAMINER		U.S. PATENT DOCUMENTS						
INITIAL DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA	-		
19 4,568,169	4 Feb '86	WADA, K. et al.	OIPE	1	IF APPROP	RATE		
20 4,607,940	26 Aug '86	QUANG, P. K.	OIFE	0	+			
4,639,126	27 Jan '87	BUSHAW, K. A. et al.	EC 2-9-200	18	<u> </u>			
4,684,238	4 Aug '87	TILL, H. R. et al.			ļ	.		
23 4,721,041	26 Jan '88	SIMETH, S.	BADEMAR					
24 4,723,489	9 Feb '88	EMRICH, H. et al.	•	· ·				
25 4,745,282	17 May '88	TAGAWA, K. et al.						
26 4,791,869	20 Dec '88	FURUKAWA, S.						
4,806,079	21 Feb '89	KUHN, W.						
28 4,814,822	21 Mar '89	ACQUAVIVA, T. et al.						
29 4,884,794	5 Dec '89	DINATALE, E. L. et al.			· · · · ·			
	FORE	IGN PATENT DOCUMENTS		1				
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT	non		
30 EP 0 615 941	21 Sep '94	EUROPE			YES	NO		
31 EP 0 861 722	2 Sep '98	EUROPE			—			
³² WO 90/04216	19 Apr '90	PCT	,					
³³ WO 93/01531	21 Jan '93	PCT ,						
34 WO 93/04409	4 Mar '93	PCT						
OTHER DOCUMENT	TS (Including	Author, Title, Date, Pertinent Page	oc <i>Etc.</i>)					
HITACHI KOKI CO. LT 5 November 1991		0 A; 5 August 1991 & Patent Abstracts		il. 015; No. 43	3 (P-1271);			
			-			\dashv		
liner		DATE CONSIDERED						
MINER: Initial if reference considered, whether or lered. Include copy of this form with next commu	not citation is in o	conformance with MPEP 609; Draw line the	ough citation	if not in confor	nance and n	lot l		
PTO-A820 orm PTO-1449)	тем то аррік	CM4.DD.		* U.S. DEPARTME				

7					ATTY DOCKET NO			SERIAL NO.		
	INF	FORMATION DISCLOSU	DE CITATION	-	UD		1		/089,631	•
		(Use several sheets if nee	Cessary)		Aron SHMAISE	R, et				
					FILING August	5, 200		GROUP	2854	
	,		U	.S. PATENT	DOCUMENTS		•			
*EXAMINER	1	DOCUMENT NUMBER	OATE		NAME		CLASS	SUBCLASS	FILING D	MATE OPRIATE
·	36	4,949,949	21 Aug '90	HOLMI	ES, M. F. et al.		OFFE		IF FIG. 1 Sec.	JPRUSTE
	37	4,967,660	6 Nov '90	YAMAN	ARI, H. et al.	7		3		
	38	4,974,027	27 Nov '90	LANDA	, B. et al.		DEC 2 9 200	<u> </u>		
	39	5,003,355	26 Mar '91	TANZA	WA, J.	TE	DEC 2 9 200	3		
	40	5,020,788	4 Jun '91	HATAN	O, M. et al.		- Value			
	41	5,170,211	8 Dec '92	HAUPT,	G. J. et al.					
٠ ٢	42	5,385,091	31 Jan '95	CUIR, J.	et al.					
14 (1)	43	5,552,875	3 Sep '96	SAGIV,	O. et al.					
	44	5,710,964	20 Jan '98	TOMBS,	T. N. et al.					
	45	5,772,343	30 Jun '98	BERETT	A, R. K. et al.	1				
	46	5,802,424	1 Sep '98	PERNES	KY, M. J. et al.					
			FORE	GN PATENT	DOCUMENTS		t			
		DOCUMENT NUMBER	DATE		COUNTRY		CLASS	SUBCLASS	TRANS	LATION
	47	WO 94/23347	13 Oct '94	PCT					123	
	48	WO 95/10801	20 Apr '95	PCT						
	49	WO 96/17277	6 Jun '96	PCT						
	50	WO 97/07433	27 Feb '97	РСТ						
اچا	51	EP 0 616 886	28 Sep '94	EUROPE						
		OTHER DOCUME	NTS (Including	Author, T.	itle, Date, Pertine	nt Pag	res, Etc.)			
	T							-		
AMINER				DA	TE CONSIDERED					
(AMINER	Initial	if reference considered whether	r or not citation is !-	20010	with MDED and G					
sidered. I	nctude	if reference considered, whether e copy of this form with next com	munication to applic	cant.	With MPEP 609; Dra	w line (hrough citation	if not in confo	mance a	nd not

Form PTO-A820 (also form PTO-1449)

Copyright 1994-97 LegalSter

P09C/REV03

Palent and Trademark Office * U.S. DEPARTMENT OF

PAGE 3 OF 5

			٠.	NE				ATTY DOCKET NO. UDY		SERIAL NO.	0/089,631	1
			•	NEC	ORMATION DISCLOSUF (Use several sheets if nec	RE CITATION essary)		Aron SHMAISER,	et al.		,,,,,,	·
								FILING August 5, 2	002	GROUP	2854	
						į	J.S. PATENT	DOCUMENTS				
ŀ	AM TIA	INE L	R		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING I	
			1	52	6,072,966	6 Jun '00	MATSU	О, М.			IF APPR	OPRIATE_
			?	13	4,821,643	18 Apr '89	WIELA	ND, E. G.		 ,	1	·
		П	\$ \$	4	4,621,576	11 Nov '86	WIRZ, A		OFE	Cign	†	<u> </u>
	ľ		5	5	5,110,159	5 May '92	HEROL	D, M. et al.	0E 19	700	1	
_[$\frac{1}{1}$		5	6	5,439,029	8 Aug '95	BECKE	R, W.	A DEC	NEW T	 	
П		H	3 5	7	4,204,471	27 May '80	BECKER	R, W.	THA THA	DEMAN	 	·——·
\prod			5	•	5,961,228	5 Oct '99	WARD, I	D. J. et al.				
			59	•	5,752,776	19 May '98	KUNREL	THER, S.		1		<u> </u>
			60		4,410,897	18 Oct '83	MORIGU	ICHI, H. et al.	-			
			61		4,198,642	15 Apr '80	GAMBLI	N, R. L.				
			62		4,240,346	23 Dec '80	LANDIS,	E. M. et al.				
						FORE	IGN PATENT	DOCUMENTS	<u></u>			
Ш					DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANS	NO
Ш		4	63		EP 0 311 924	19 Apr '89	EUROPE			-		
\coprod	L	÷	64		EP 0 161 522	21 Nov '95	EUROPE					
ĮL	_	Ż	65	!	EP 0 435 164	3 Jul '91	EUROPE					
L	_	k	66	1	EP 0 562 269	29 Sep '93	EUROPE					
	_	K	67	F	FR 2 358 273	10 Feb '78	FRANCE					
	_	_		_	OTHER DOCUMEN	ITS (Includin	g Author, Ti	tle, Date, Pertinent P	Pages, Etc.)			
		1										1
	_	\downarrow			-		<u> </u>	·				
		1			1	*						
AMI	NE	:R					DA	TE CONSIDERED				
(AM	N	ER:	: Init	ial if	reference considered, whether copy of this form with next comm	or not citation is in	conformance	with MPEP 609; Draw lin	e through citation	on if not in confe	ormance a	nd not
<u> </u>	-	_										

Form PTO-A820 (also form PTO-1449)

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF

PAGE 4

OF 5

INFORMATION DISCLOSURE CITATION (Use serveral sheets if necessary)			•			ATTY DOCKET NO.		SERIAL NO).	
FILING August 5, 2002 GROUP 2854		INF	ORMATION DISCLOS	URE CITATIO	ON ,			<u> </u>	10/089,6	31
CASS SUBCLASS FRINCE DATE NAME CLASS SUBCLASS FRINCE DATE			To an outline of the state of t				R, et al.	IGROUP		·
DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FEING DATE		us a				August 5	, 2002	GROOP	2854	
DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FLING DATE FAPPROP	EXAMINER		T		U.S. P.	ATENT DOCUMENTS				
FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS DOCUMENT MUMBER DATE COUNTRY CLASS SUBCLASS TRANSLAT 70 WO 99/61958 02 Dec '99 PCT 71 EP 0 813 971 29 Dec '97 EUROPE 72 EP 0 878 311 18 Nov '98 EUROPE 73 WO 01/53895 26 Jul '01 PCT		AL DOCUMENT NUMBER		DATE		NAME	CLASS	SUBCLAS		
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLAT		68	 	17 Nov '9	98 P.	ARKER, D. G.		-	- 17 10-1	KOPRIA
FOREIGN PATENT DOCUMENTS DOCUMENT MUMBER DATE COUNTRY CLASS SUBCLASS TRANSLAT		69	6,412,409	02 Jul '02	2 W	EISHEW, J. J.			-	
FOREIGN PATENT DOCUMENTS DOCUMENT MUMBER DATE COUNTRY CLASS SUBCLASS TRANSLAT YES TRANSLAT									 	
FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI									+	
FOREIGN PATENT DOCUMENTS DOCUMENT MUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI			B III 7 3 200					1		
FOREIGN PATENT DOCUMENTS DOCUMENT MUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI			RADEMARK					 	-	
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI 70 WO 99/61958 02 Dec '99 PCT PCT <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td></td>									 	
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI 70 WO 99/61958 02 Dec '99 PCT PCT <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td>		_					7			
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI 70 WO 99/61958 02 Dec '99 PCT PCT <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td><u> </u></td>								 		<u> </u>
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI 70 WO 99/61958 02 Dec '99 PCT PCT <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td>-</td> <td></td>		_							-	
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATI	861									
70 WO 99/61958 02 Dec '99 PCT 71 EP 0 813 971 29 Dec '97 EUROPE 72 EP 0 878 311 18 Nov '98 EUROPE 73 WO 01/02910 11 Jan '01 PCT 74 WO 01/53895 26 Jul '01 PCT			ll de	FOR	EIGN PA	TENT DOCUMENTS			1	
70 WO 99/61958 02 Dec '99 PCT 71 EP 0 813 971 29 Dec '97 EUROPE 72 EP 0 878 311 18 Nov '98 EUROPE 73 WO 01/02910 11 Jan '01 PCT 74 WO 01/53895 26 Jul '01 PCT			DOCUMENT NUMBER	DATE	T	COUNTRY	CLASS	SUBCLASS	TRAN	SLATIO
72 EP 0 878 311 18 Nov '98 EUROPE 73 WO 01/02910 11 Jan '01 PCT 74 WO 01/53895 26 Jul '01 PCT	70	1	WO 99/61958	02 Dec '99	PCT				YES	N
73 WO 01/02910 11 Jan '01 PCT 74 WO 01/53895 26 Jul '01 PCT	71	F	CP 0 813 971	29 Dec '97	EUR	OPE				├
74 WO 01/53895 26 Jul '01 PCT	72	E	P 0 878 311	18 Nov '98	EUR	OPE .				ļ
	73	V	VO 01/02910 ~	11 Jan '01	PCT					
OTHER DOCUMENTS. (Including Author Till	74	N	O 01/53895	26 Jul '01	PCT					
(including Author, Title, Date, Pertinent Pages, Etc.)			OTHER DOCUME	NTS (Includin	g Autho	or. Title. Date Pertinent	Pages Stall			
		-								
	NER				_	DATE CONSIDERE				
NER DATE CONSIDERED		- 1-11								
DATE CONSIDERED			Inna		-					
INER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not red. Include copy of this form with next communication to applicant.	IINER: Initi pred. Inclu	al if re de co	py of this form with next come	or not citation is in	icani	ance with MPEP 609; Draw lin	e through citation	if not in confo	mance ar	nd not